

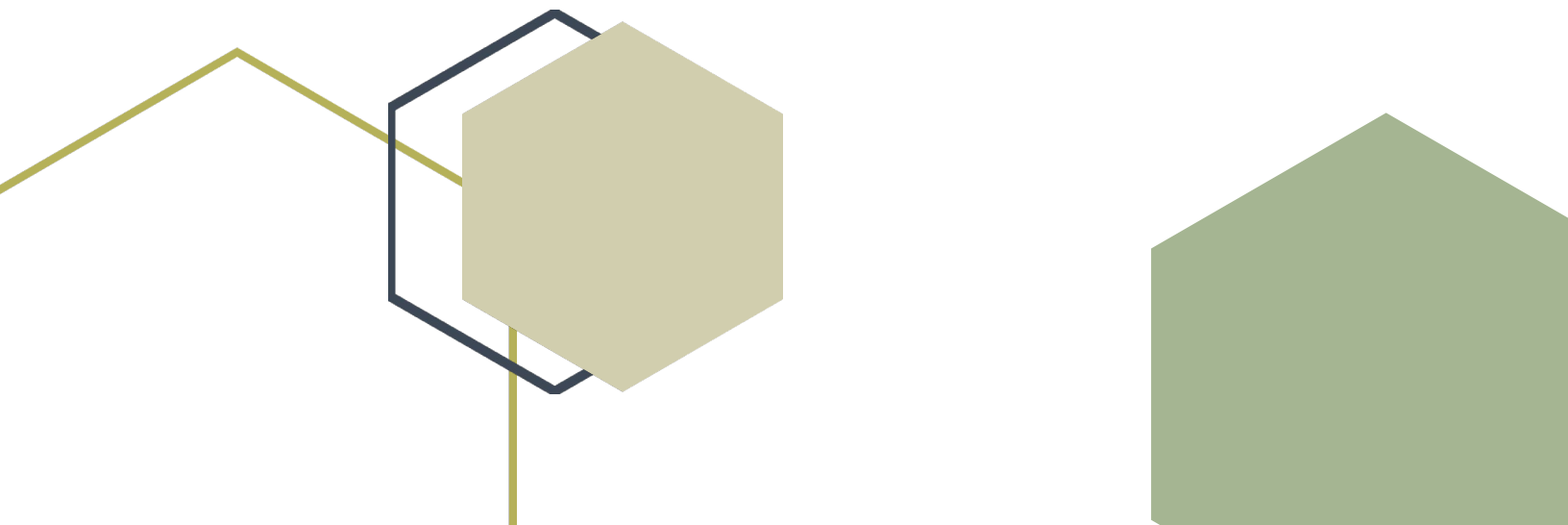
Central Iowa COVID19 Update

Wednesday, April 13, 2022



Statistical Consulting

Dr. Meg Schaeffer





Quick Stats

	Polk County	Next Highest Target**	Iowa
Percent of population with at least 1 dose*	74.1%		67.7%
Percent of population with fully vaccinated*	67.5%	85%	61.7%
Average daily cases the last 7d	19		127
CDC County Transmission Level***	Low	Med	
Total cases per 100,000 the last 7d**	27	>200	28
Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)**	0.7%	10-14%	0.45%
New COVID-19 admissions per 100,000 population (7-day total)**	2.5	10-19.9	2.3

*[Vaccine Information](#) | [Iowa COVID-19 Information](#)

All data are sourced from <https://coronavirus.iowa.gov/pages/case-counts> with previous days refreshed weekly. The population of Polk County used is 490,161. Population of Iowa used is 3.155 million. Averages and percent positivity are subject to change with retrospectively refreshed data.

**[CDC COVID Data Tracker](#)

***[COVID-19 County Check Tool](#) | [CDC](#)

Critical Points, Media, and Research

Iowa cases have risen slightly over the past week. Polk County cases remain stable and hospitalizations have decreased slightly. BA.2 is the dominant variant in Iowa and nationally. Case activity is increasing in the Northeastern U.S.

News & Research

- [CDC extends travel mask requirement to May 3 as COVID rises](#) | AP News
- [Covid-19 cases trend up again in the US, driven by the growth of BA.2](#) - CNN
- [Former Iowa governor Tom Vilsack tests positive for COVID-19](#) (kcci.com)
- [Early Release - Detecting SARS-CoV-2 Omicron B.1.1.529 Variant in Wastewater Samples by Using Nanopore Sequencing - Volume 28, Number 6—June 2022 - Emerging Infectious Diseases journal](#)
- [Early Release - Secondary Attack Rate, Transmission and Incubation Periods, and Serial Interval of SARS-CoV-2 Omicron Variant, Spain - Volume 28, Number 6—June 2022 - Emerging Infectious Diseases journal - CDC](#)
- [Early Release - Serum Neutralization of SARS-CoV-2 Omicron BA.1 and BA.2 after BNT162b2 Booster Vaccination - Volume 28, Number 6—June 2022 - Emerging Infectious Diseases journal - CDC](#)



Vaccine Progress

Polk Co Vaccination Rates CDC Covid Data Tracker Data (*)	At Least One Dose	Difference prev week	Fully Vaccinated	Difference prev week
Total	363,367	283	330,821	424
% of Total Population	74.1%	0.0%	67.5%	0.1%
Population ≥ 5 Years of Age	363,320	283	330,821	424
% of Population ≥ 5 Years of Age	79.7%	0.0%	72.6%	0.1%
Population ≥ 12 Years of Age	345,770	217	315,098	320
% of Population ≥ 12 Years of Age	84.6%	0.1%	77.1%	0.1%
Population ≥ 18 Years of Age	317,548	181	289,486	287
% of Population ≥ 18 Years of Age	86.0%	0.0%	78.4%	0.1%
Population ≥ 65 Years of Age	68,601	45	63,837	136
% of Population ≥ 65 Years of Age	95.0%	0.0%	95.0%	0.0%

(*) CDC COVID Data Tracker Data: CDC data includes vaccine administration data from all sources, including IRIS*, other state immunization registries, and federal entities (Bureau of Prisons, Veterans Health Administration, Department of Defense, and Federal Long-Term Care program). These doses may not have been reported to IRIS.

Link to Zip Code-Level Vaccination

Rates - <https://arcg.is/1nTry4>

Polk Co People Fully Vaccinated with a Booster (*)

	Data	Difference prev week
Total	174,815	582
% of Fully Vaccinated Population with a Booster Dose	52.8%	0.1%
Fully Vaccinated Population ≥ 18 Years of Age with a Booster Dose	174,780	581
% of Fully Vaccinated Population ≥ 18 Years of Age with a Booster Dose	55.5%	0.2%
Fully Vaccinated Population ≥ 50 Years of Age with a Booster Dose	168,121	538
% of Fully Vaccinated Population ≥ 50 Years of Age with a Booster Dose	58.1%	0.2%
Fully Vaccinated Population ≥ 65 Years of Age with a Booster Dose	51,465	170
% of Fully Vaccinated Population ≥ 65 Years of Age with a Booster Dose	80.6%	0.1%

(*)The count of people who received a booster dose includes anyone who is fully vaccinated and has received another dose of COVID-19 vaccine since August 13, 2021. This includes people who received booster doses and people who received additional doses.

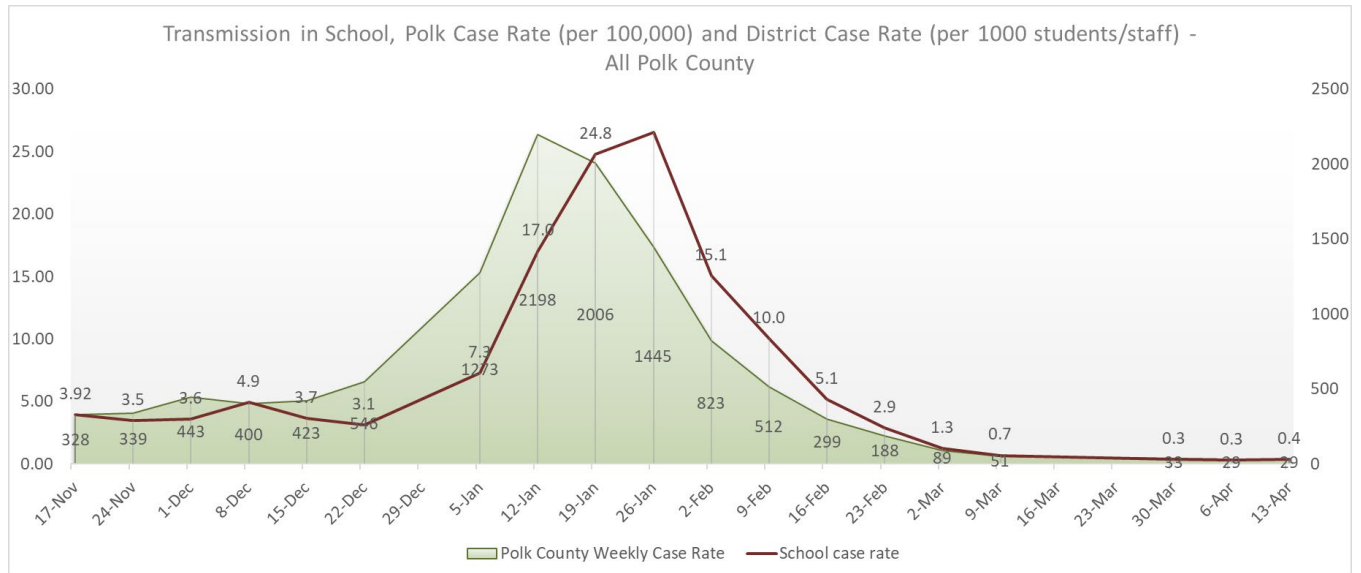
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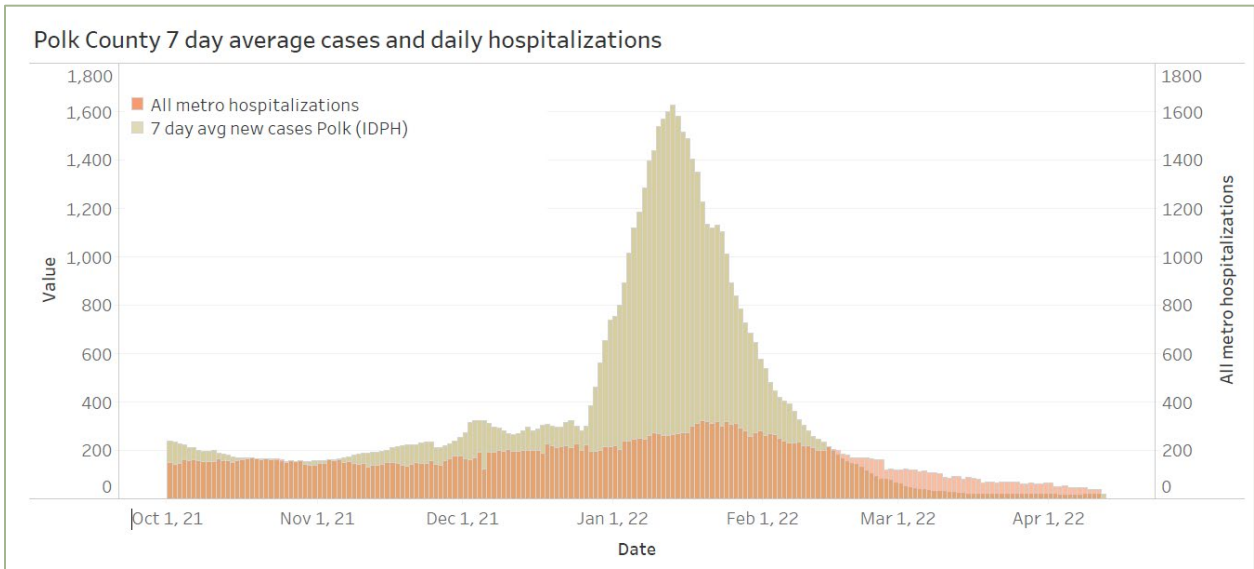
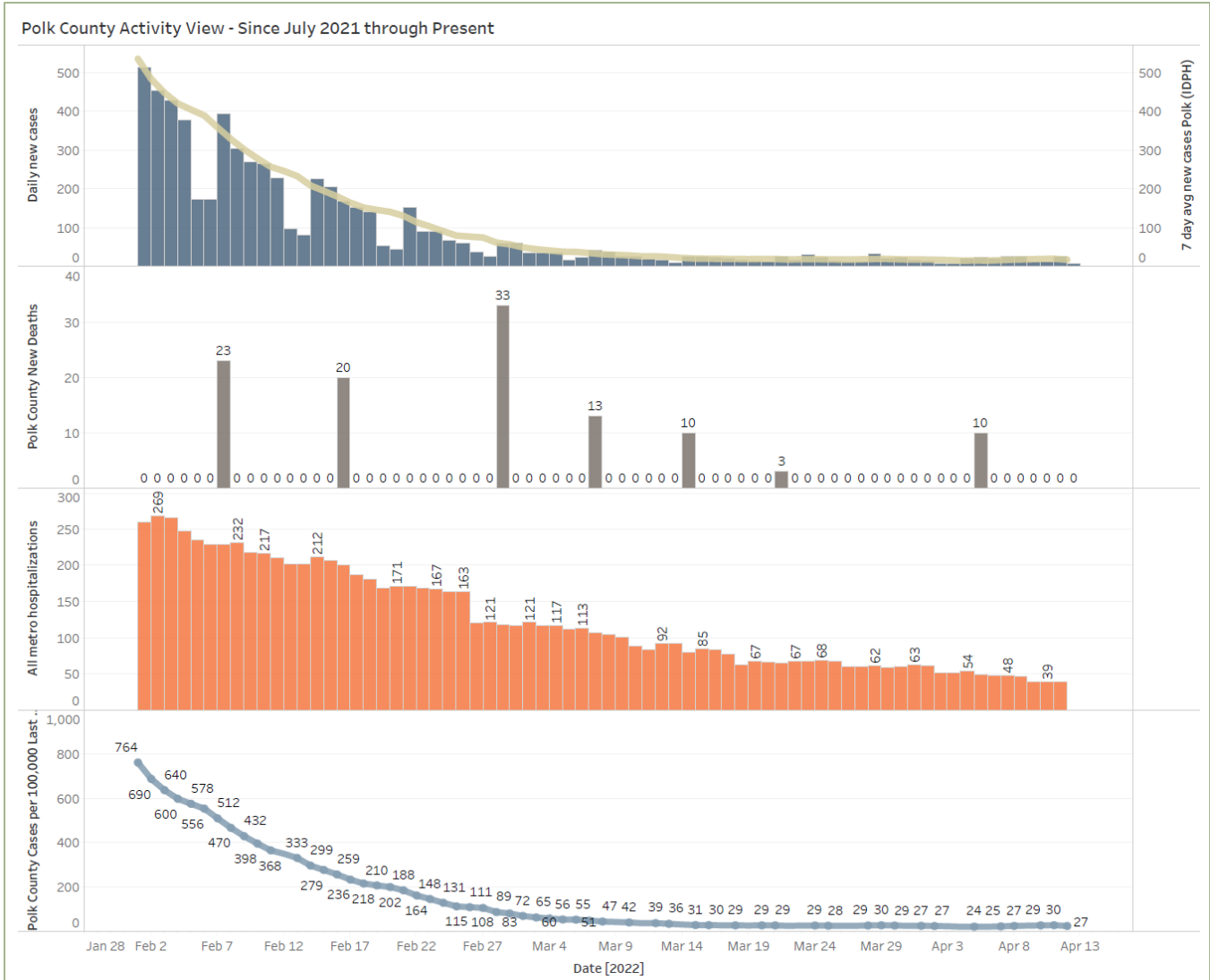
School Data

Week Ending	New Student/Staff Case Rates per 1000																		
	17-Nov	24-Nov	1-Dec	8-Dec	15-Dec	22-Dec	5-Jan	12-Jan	19-Jan	26-Jan	2-Feb	9-Feb	16-Feb	23-Feb	2-Mar	9-Mar	30-Mar	6-Apr	13-Apr
DMPS*	2.12	2.24	3.58	5.06	3.79	3.03	7.91	14.79	11.45	19.45	8.45	10.06	2.70	1.61	0.27	0.36	0.30	0.24	0.09
Ankeny	4.00	3.33	3.25	5.83	5.00	4.67	NA	18.42	32.08	40.58	24.83	18.33	6.42	3.42	1.92	0.50	0.17	0.17	0.17
Waukee	6.70	8.09	4.43	4.52	3.57	3.04	8.26	15.74	13.22	13.04	6.96	3.22	1.74	0.78	0.09	0.17	0.17	0.17	0.78
WDM	5.67	5.00	5.00	7.67	5.11	3.78	NA	19.67	31.67	33.44	26.11	11.56	9.11	3.33	3.33	1.22	0.22	0.56	0.22
Johnston	3.43	0.86	2.00	3.43	2.86	3.43	NA	8.29	24.57	36.29	8.71	10.29	2.14	2.86	1.71	0.86	0.29	0.14	0.29
SE Polk	2.29	3.14	4.14	5.29	2.86	1.71	1.86	13.29	14.71	11.57	10.29	4.86	2.14	1.00	0.29	0.43	0.00	0.00	0.14
Urbandale	3.25	4.25	3.00	3.75	1.75	2.75	11.00	29.00	46.00	31.50	20.00	12.00	11.75	7.00	1.25	1.25	1.25	0.75	1.00
School case rate	3.92	3.5	3.6	4.9	3.7	3.1	7.3	17.0	24.8	26.6	15.1	10.0	5.1	2.9	1.3	0.7	0.3	0.3	0.4

Week Ending	New Student/Staff Cases																		
	17-Nov	24-Nov	1-Dec	8-Dec	15-Dec	22-Dec	5-Jan	12-Jan	19-Jan	26-Jan	2-Feb	9-Feb	16-Feb	23-Feb	23-Feb	9-Mar	30-Mar	6-Apr	13-Apr
DMPS*	70	74	118	167	125	100	261	488	378	642	279	332	89	53	9	12	10	8	3
Ankeny	48	40	39	70	60	56	NA	221	385	487	298	220	77	41	23	6	2	2	2
Waukee	90	105	63	65	48	36	120	210	186	150	80	37	20	9	1	2	2	2	9
WDM	51	45	45	69	46	34	NA	177	285	301	235	104	82	30	30	11	2	5	2
Johnston	24	6	14	24	20	24	NA	72	208	254	61	72	15	20	12	6	2	1	2
SE Polk	16	22	29	37	20	12	13	93	103	81	72	34	15	7	2	3	0	0	1
Urbandale	13	17	12	15	7	11	44	116	184	126	80	48	47	28	5	5	5	3	4
Total School Cases	312	309	320	447	326	273	438	1377	1729	2041	1105	847	345	188	82	45	23	21	23
Polk Weekly Cases	1608	1663	2173	1959	2073	2676	6239	10769	9829	7082	4031	2510	1466	919	438	250	162	143	141
Polk County Weekly Case Rate	328	339	443	400	423	546	1273	2198	2006	1445	823	512	299	188	89	51	33	29	29



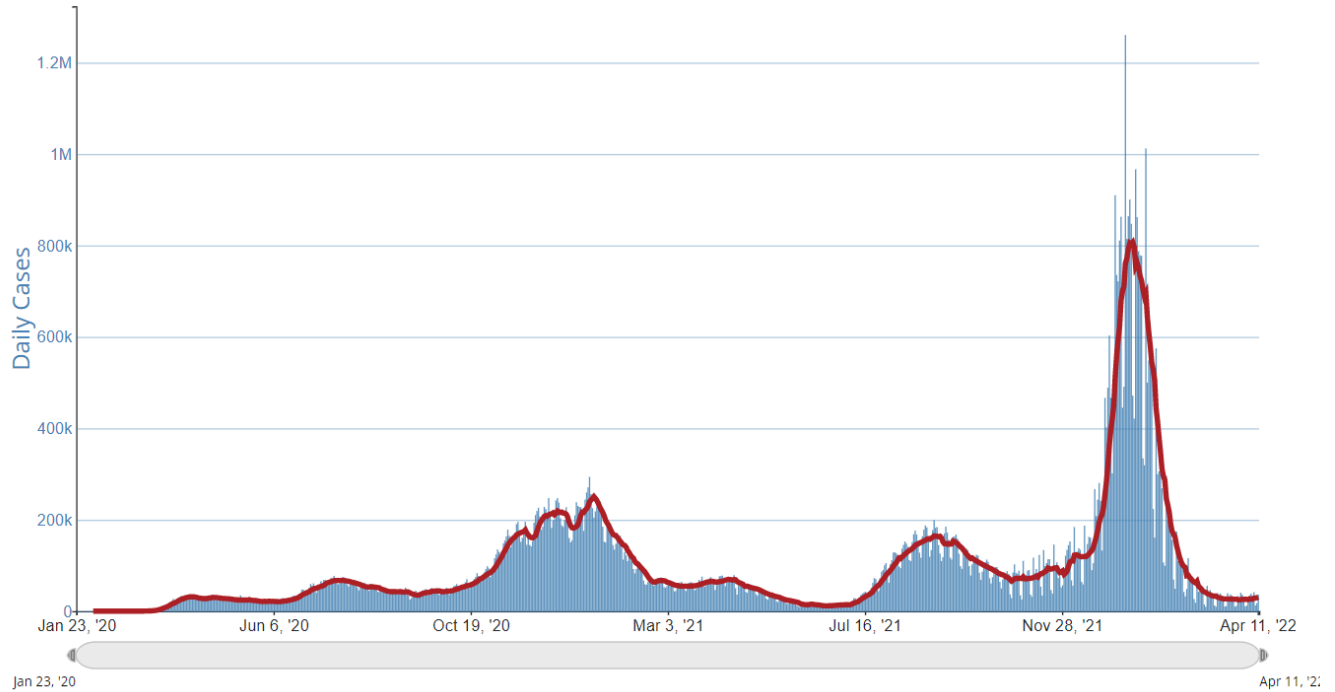
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Daily Trends in Number of COVID-19 Cases in The United States Reported to CDC



	CASES DAILY AVG.	PER 100,000	14-DAY CHANGE	HOSPITALIZED DAILY AVG.	PER 100,000	14-DAY CHANGE	DEATHS DAILY AVG.	PER 100,000	FULLY VACCINATED
United States	31,567	10	+8%	14,841	4	-15%	532.8	0.16	66%
American Samoa	132	267	-39%	18	36	+334%	1.7	3.47	83%
Rhode Island ›	340	32	+107%	50	5	+13%	0.4	0.04	82%
Vermont ›	196	31	+47%	31	5	+125%	0.6	0.09	81%
Alaska ›	208	28	-2%	30	4	-18%	0.9	0.12	62%
Colorado ›	1,577	27	+47%	138	2	-9%	7.9	0.14	70%
Washington, D.C. ›	187	26	+110%	70	10	-11%	0.2	0.03	73%
New York ›	4,995	26	+63%	1,370	7	+17%	10	0.05	76%
Massachusetts ›	1,640	24	+59%	273	4	+5%	4.6	0.07	78%
Puerto Rico ›	760	22	+182%	63	2	+34%	0.7	0.02	78%
New Jersey ›	1,790	20	+71%	432	5	+9%	7	0.08	75%